United States Patent [19] Franklin [54] KEYBOARD SWITCH [75] Inventor: Gerald K. Franklin, Albuquerque, N. [73] Assignee: Sperry Corporation, New York, N.Y. [21] Appl. No.: 814,456 [22] Filed: Dec. 30, 1985 [51] Int. Cl.⁴ H01H 1/06; H01H 13/70 U.S. Cl. 200/5 A; 200/159 B; 200/292 [58] Field of Search 200/5 A, 159 B, 292, 200/11 DA [56] References Cited **U.S. PATENT DOCUMENTS** 4,156,802 5/1979 Gilano et al. 200/5 A 4,246,452 1/1981 Chandler 200/5 A

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ABSTRACT

An improved multiple circuit keypad switch of the type in which a rigid key having a shorting puck on its underside is supported over exposed traces of a printed circuit card by a flexible membrane so that the puck shorts designated exposed traces to close all circuits when the key is depressed, the improvement arising from the layout of the exposed traces in which individual circuits are arranged in concentric rings and the shorting puck contains shorting elements arranged in corresponding concentric rings.

6 Claims, 6 Drawing Figures



